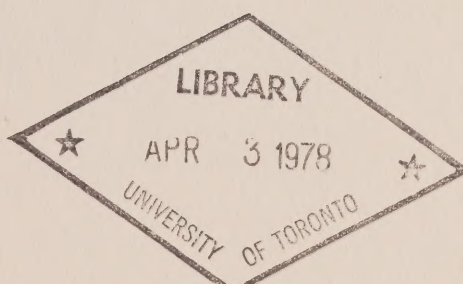


**Oil and Gas Statistics**  
**August 1977**

**Issued by**  
**Ministry of Energy**



**56 Wellesley St. W.**  
**Queen's Park**  
**Toronto, Ontario**



# OIL AND GAS STATISTICS

August 1977

ISSUED BY

MINISTRY OF ENERGY

56 WELLESLEY ST., W.  
QUEEN'S PARK  
TORONTO, ONTARIO





# OIL AND GAS STATISTICS

AUGUST 1977

## TABLE OF CONTENTS

	PAGE
PETROLEUM IN ONTARIO	
General	1
Ontario Crude Oil Production	1
Western Canada Crude and Other Supplies	2
Refined Petroleum Products	4
Tables:	
Crude Oil Production in Ontario	2
Oil Receipts and Disposition	3
Sources of Supply of Major Products	4
Major Product Sales	5
NATURAL GAS IN ONTARIO	
General	6
Ontario Production	6
Storage	6
Transmission	6
Imports and Exports	9
Sales to Consumers	9
Tables: First Half 1977	
Comparative Receipts and Disposition	7
Comparative Receipts and Disposition by months	8
Percentage Changes in Monthly Sales	9
Consumers & Sales by Categories	10
PROPANE IN ONTARIO	
General	11
Table:	
Propane Receipts and Disposition: 1976	12



Digitized by the Internet Archive  
in 2024 with funding from  
University of Toronto

<https://archive.org/details/31761120614946>

## PETROLEUM IN ONTARIO

### General

In the first five months of 1977, consumption of oil in Ontario increased 4 percent over 1976. Increases occurred in deliveries of crude oil from western Canada and in U.S. domestic crude imported in exchange for western Canadian crude supplied to refineries in the U.S.A.

Refinery production increased over 1976 levels. Net interprovincial exchanges of petroleum products were higher. Product imports increased and exports decreased. Production from Ontario oilfields decreased.

With effect from July 1, 1977, the wellhead price of Canadian crude oil was increased \$1.00 a barrel to \$10.75.

### Ontario Crude Oil Production

During the second quarter, output from native Ontario oil production fields decreased from 1976 levels and more than offset a first quarter increase. While the accompanying first five months table of oil receipts and disposition showed a small production increase, this was offset by a large June decrease.





Crude Oil Production in Ontario  
Comparative Totals in Barrels, Second Quarter  
and First Half, 1977

(Preliminary)

Period	Production		Percent Changes	
	1977	1976	1977/76	1976/75
April	50,336	54,497	-7.6	-9.7
May	55,854	64,559	-13.5	-7.4
June	44,169	52,931	-16.6	-7.8
Total - second quarter	150,359	171,987	-12.6	-8.3
Totals - first quarter	157,398	151,058	11.6	-22.1
Totals - first six months	307,757	313,045	-1.7	-15.1

Western Canada Crude Oil and Other Supplies

Deliveries of western Canadian oil averaged about 456,000 barrels a day (bpd) in the first five months of 1977, an increase of almost 4 percent over 1976 levels.

Receipts from Alberta, accounting for over 70 percent of the total crude deliveries, increased by nearly 3 percent. Saskatchewan deliveries (15 percent of the total) rose about 9 percent. Deliveries from Manitoba increased nearly 8 percent.

There were no imports of Venezuelan or other offshore crude oil. Imports of U.S. domestic crude oil accounted for 9 percent of total crude deliveries. Beginning in August 1976, these imports received in exchange for equal deliveries of western Canadian crude oil to U.S. refineries, have been increasing; during May they reached nearly 50,000 bpd compared with 36,000 bpd in December 1976.



Oil in Ontario (1)

Comparative Receipts and Disposition

January to May 1977  
(Preliminary)

Supply	In Thousands of Barrels	of Total	Percent Changes	
			1977/76	1976/75
Crude oil:				
Ontario production	264	0.3	1.3	-16.4
From Western provinces (2)	68,927	73.3	3.6	- 2.7
Imports from Venezuela	Nil			
Imports from U.S.A. (3)	6,749	7.2	100.0	Ø
Net transfers and other materials	765	0.8	Ø	Ø
Total run to stills	76,705	81.6	13.6	- 0.6
Products:				
Transfers from other provinces	14,111	15.0	1.9	-16.7
Imports	1,101	1.2	46.4	- 6.0
Other receipts	2,033	2.1	-24.4	12.6
Total product receipts	17,245	18.3	- 0.3	-12.7
Total Supply	93,950	100.0	10.3	- 3.3
<u>Disposition of products</u>				
Consumption:				
Sales	83,703	89.1	3.4	4.4
Company use	5,290	5.6	15.9	3.4
Total consumption	88,993	94.7	4.1	4.4
Other:				
Transfers to other provinces	1,511	1.6	-32.0	24.7
Exports	3,483	3.7	- 9.7	13.2
Inventory changes	701	0.7	Ø	Ø
Losses	-738	-0.7	Ø	Ø
Total other disposition	4,957	5.3	Ø	Ø
Total disposition	93,950	100.0	10.3	-3.3

(1) Based on Statistics Canada 45-004.

(2) Crude oil, condensate and pentanes plus, comingled propane and butane mixes.

(3) U.S.A. domestic crude oil in exchange for equal deliveries of western Canada crude to refineries in the U.S.A. (Beginning August 1976)





## Refined Petroleum Products

In the first five months of 1977, production by Ontario's oil refineries averaged 508,000 bpd, representing a 13 percent increase over 1976 levels. Ontario refinery production continued to account for 28 percent of the all-Canada total.

Consumption of refined petroleum products increased 4 percent to nearly 590,000 bpd.

Motor gasoline accounted for 37 percent of refinery production, heavy fuel oil 15 percent, and light fuel oil 17 percent.

Net provincial product transfers (mainly from Quebec) increased 8 percent to over 80,000 bpd. Of these transfers, motor gasoline accounted for 27 percent, light fuel oil 21 percent and heavy oil 34 percent.

Light fuel oil accounted for 24 percent of product imports totalling over 7,000 bpd; heavy oil imports were relatively minor. (There were no imports of motor gasoline.)

Product exports decreased about 10 percent to 23,000 bpd. Of the total, 70 percent was heavy fuel oil, 2 percent motor gasoline and 6 percent light fuel oil.

### Sources of Supply of Major Products as Percentage of Total Consumption at May 31, 1977

Source	Motor Gasoline		Light Fuel Oil		Heavy Fuel Oil		All Products	
	1977	1976	1977	1976	1977	1976	1977	1976
Refinery Production	90.4	90.5	65.4	51.5	82.4	79.1	86.9	79.0
Transfers:								
Interprovincial (Net)	10.7	10.2	13.3	10.4	31.3	37.2	14.3	13.6
Interproduct	6.4	3.0	11.7	11.8	0.7	1.9	0	0
Inventory	-7.5	-2.9	9.9	22.4	5.0	5.6	-0.8	7.1
Imports	0	0	1.3	0	0	0	1.3	0.9
Exports	0.2	1.6	1.1	0	17.5	23.4	4.0	4.5
Net Imports	-0.2	-1.6	0.2	0	-17.5	-23.4	-2.7	-3.6



Refined product sales in Ontario increased 3 percent to nearly 555,000 bpd. Ontario sales represented over 30 percent of total product sales in Canada. Heavy fuel oils and diesel fuel oil had the largest sales increases.

Product Sales as Percentage of Total Sales  
At May 31, 1977

---

Product	Percent Total Sales		Percent Changes	
	1977	1976	1977/76	1976/75
Motor Gasoline	36.9	38.1	0.2	2.7
Heavy Fuel Oil	14.3	13.3	11.3	8.9
Light Fuel Oil	24.2	26.2	-4.5	2.7
Diesel Fuel Oil	8.4	7.8	11.3	2.8
Three Fuel Oils	46.9	47.3	2.6	4.2
All Four Fuels	83.8	85.3	1.5	3.5





## NATURAL GAS IN ONTARIO

### General

Consumption of natural gas in Ontario in the first six months of 1977 increased 1 percent over the level for the corresponding period in 1976.

Deliveries of gas from western Canada increased. Withdrawals from and injections into storage were considerably greater. No gas was imported from the U.S.A.; exports to the U.S.A. increased. Production from Ontario natural gas fields decreased.

### Ontario Production

During the 1977 second quarter, production of natural gas from Ontario fields increased nearly 50 percent from 1976 levels. Output from Lake Erie, representing over 60 percent of total production, more than doubled and accounted for the bulk of increase in total production. Production for the first six months of 1977 was 9 percent lower than in 1976 because of the 20 percent decrease registered in the first quarter.

### Gas Storage

In the second 1977 quarter, withdrawals of natural gas from storage pools decreased over 20 percent from 1976 levels. The lower rate of April-May withdrawals accounted for the bulk of this decrease. Withdrawals for the first six months were 34 percent higher than in 1976.

Over the first six months, there was a 45 percent increase in deposits compared with 1976. By the end of June, the balance of supplies in storage held for distributors was nearly 80 million Mcf, a 15 percent decrease from the levels of the corresponding date of 1976.

### Transmission

Second quarter deliveries of natural gas from western Canada increased 9 percent over 1976 levels. This increase more than offset a first quarter 7 percent decrease, thus a small increase over 1976 was recorded for deliveries in the first half of the year.



# Natural Gas in Ontario

## Comparative Receipts & Disposition

First Six Months 1977  
(Preliminary)

In Thousands Cubic Feet

	1977	1976	<u>Percent Changes</u>	
			<u>1977/76</u>	<u>1976/75</u>
<u>RECEIPTS</u>				
Produced	2,807,827	3,091,580	- 9.2	-51.9
Withdrawn from Storage	89,012,617	66,560,075	33.7	- 6.1
From Western Canada	358,099,379	353,948,201	1.2	3.5
Imports from U.S.A.	-	3,390,297	-100.0	-27.4
Total Receipts	<u>449,919,823</u>	<u>426,990,153</u>	<u>5.4</u>	<u>0.7</u>
<u>DISPOSITION</u>				
Sales to Customers	379,158,566	376,588,993	0.7	3.1
Injected into Storage	66,188,223	45,598,945	45.2	-10.7
Exports to U.S.A.	8,379,058	6,667,829	25.7	6.2
Line Pack	-34,908	16,560	Ø	Ø
Used in Operation	11,890,629	9,711,074	22.4	4.4
Metering & Other Unaccounted	<u>-15,661,725</u>	<u>-12,093,248</u>	<u>Ø</u>	<u>Ø</u>
Total Disposition	<u>449,919,823</u>	<u>426,990,248</u>	<u>5.4</u>	<u>0.7</u>





# Natural Gas in Ontario

## Comparative Receipts & Disposition

### Second Quarter 1977

(Preliminary)

In Thousands Cubic Feet

	<u>APRIL</u>		<u>MAY</u>		<u>JUNE</u>	
	1977	1976	1977	1976	1977	1976
<u>RECEIPTS</u>						
Produced	428,791	347,007	497,511	373,765	673,030	352,057
Withdrawn from storage	3,414,985	4,993,951	2,060,496	2,250,678	147,881	129,570
From Western Canada	65,996,847	58,035,959	67,111,683	60,766,417	60,545,311	58,797,470
Imports from U.S.A.	-	597,608	Ø	1,058,260	-	578,237
Total Receipts	69,840,623	63,974,525	69,669,690	64,449,120	61,366,222	59,857,334
<u>DISPOSITION</u>						
Sales to Customers	57,493,768	57,917,717	45,806,047	51,294,081	40,350,534	40,375,012
Injected into Storage	15,194,146	7,908,711	25,231,501	13,687,195	19,088,696	19,859,926
Exports to U.S.A.	1,028,142	1,056,243	926,906	955,548	909,868	814,962
Line Pack	15,920	-9,940	-50,740	-1,920	-66,220	1,140
Used in Operation	1,944,433	1,445,797	2,078,011	1,475,018	1,878,681	1,470,460
Metering & Other						
Unaccounted	-5,835,786	-4,344,003	-4,322,035	-2,960,802	-795,337	-2,664,166
Total Disposition	59,840,623	63,974,525	69,669,690	64,449,120	61,366,222	59,857,334



Use of natural gas in compression and transmission operations during the second quarter increased nearly 30 percent over the 1976 levels; this increase apparently accompanied the higher volume of deliveries from western Canada.

### Imports and Exports

No imports of natural gas from the U.S.A. occurred during the first six months of 1977.

In the second quarter, gas exported through Ontario to the U.S.A. increased slightly which compared with the corresponding 1976 period. Over the first half of the year, exports through the Rainy River region of northwestern Ontario, representing over 40 percent of total exports, decreased 4 percent from 1976 levels. The balance transmitted into New York State increased over 60 percent; the bulk of this increase arose from additional deliveries in February-March made to ease shortages experienced there during the extreme winter weather.

### Sales

Natural gas sales to Ontario users accounted for around half of total sales to Canadian consumers. Beginning the usual summer trend of declining demand, second quarter sales decreased 4 percent over 1976 levels; this decrease offset most of a similar increase of the 1977 first quarter. Over the first six months, sales to residential and commercial users increased but industrial sales decreased.

#### Percentage Changes in Monthly Sales by Customer Categories During Second Quarter Over Previous Year

	Residential		Commercial		Industrial		Total	
	1977	1976	1977	1976	1977	1976	1977	1976
April	1.6	-22.4	2.7	-19.4	-3.1	-3.4	0.7	-12.0
May	-18.8	27.9	-13.8	18.0	-7.6	6.8	-10.7	12.0
June	-2.1	25.8	-8.7	22.4	1.9	3.9	-0.1	8.3





Natural Gas in Ontario  
Consumers and Sales by Categories  
 First Six Months 1977  
 (Preliminary)

In Thousands Cubic Feet

<u>Category</u>	1977		1976	
	<u>Number of Consumers</u>	<u>Quantities</u>	<u>Number of Consumers</u>	<u>Quantities</u>
Residential	955,720	88,340,209	913,080	85,598,400
Commercial	101,378	97,700,455	95,643	94,186,217
Industrial	11,297	193,117,902	11,239	196,804,376
Totals	1,068,395	379,158,566	1,019,962	376,588,993

Percent Changes				
	1977/76		1976/75	
	<u>Consumers</u>	<u>Quantities</u>	<u>Consumers</u>	<u>Quantities</u>
Residential	4.7	3.2	3.1	5.4
Commercial	6.0	3.7	3.5	4.9
Industrial	0.5	-1.9	4.1	1.0
Totals	4.8	0.7	3.1	2.9



PROPANE IN ONTARIO

During 1976, supplies of propane from natural gas processing plants in western Canada increased over 1975 levels and provided more than 60 percent of total deliveries. Propane produced by Ontario refineries also was higher than 1975 and accounted for the balance of total supply.

Sales of propane to distributors increased nearly 30 percent. Transfers for use by the petrochemical industry decreased compared with a 1975 increase.



Propane Receipts and Disposition in Ontario (1)

1976 Year

In Barrels

(Preliminary)

	Quantities	Percent of Changes		
		Total	1976/5	1975/4
<u>SUPPLY</u>				
Refinery production	2,536,781	38.8	14.2	3.9
Interprovincial transfers IN	4,264,899	65.3	37.7	16.3
OUT	2,023		-95.1	-46.0
Net transfers	4,262,876	65.2	39.5	27.6
Inventory changes	-267,438	-4.1		
Net Canadian Supply	6,532,219	100.0	21.6	15.6
Imports	4,745		34.4	- 5.9
Less Exports	2,064		100.0	Ø
Net Imports	2,681	Ø	-24.0	Ø
TOTAL SUPPLY	6,534,900	100.0	21.5	15.5
<u>DISPOSITION</u>				
Petrochemical and Industrial	1,030,211	15.8	-16.1	14.0
Distributors (2)	5,184,787	79.4	28.0	12.1
Sub-Total	6,214,998	95.2	17.7	12.5
Plant and refinery use	219,980	3.3	169.0	-34.0
Losses or gains	56,672	0.9	Ø	Ø
Adjustments	43,250	0.6	Ø	Ø
TOTAL DISPOSITION	6,534,900	100.0	21.5	15.5

Note (1) Statistics Canada No. 57-002.

(2) Identifiable industrial sales are included.  
Distributor sales may contain sales to industrial.







